CERES Systems Engineering Committee

Members: Maria Mitchum, NASA
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Charter: Serve as a forum for resolving issues which affect more than one working group. Report to CERES Data Management Team

SSI&T Report by email from Jill Travers - Feb. 27, 1998

Date: Mon, 16 Mar 1998 14:27:00 -0500
From: travers@holiday.larc.nasa.gov (Jill Travers (LDAAC/CSC))
Subject: Notes from CERES/DAAC SSI&T meeting 2/27

Here are the new CERES PGE testing/SSI&T steps that were decided at the meeting held on February 27 with some additional comments from Tammy Ayers for further clarification of details. The SSI&T Procedures Document (SPD) will be updated accordingly.

Jill
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1. Before delivery to CERES CM, the expected output for the PGE will be created on samantha. This is to hopefully encounter less problems in comparison of files produced during testing with the expected output due to differences in samantha and thunder/lightning.

2. CERES will provide the DAAC a Preliminary Delivery Memo so that the DAAC will know when testing is expected to begin and what resources are required. This will allow the DAAC to make sure the appropriate resources are available.

3. The DAAC will acknowledge the Preliminary Delivery Memo.

4. The DAAC will send confirmation to CERES that resources are available and that is okay to proceed.

5. CERES CM will send the DAAC a preliminary test plan. The test plan will be made available to cereststst@larc.nasa.gov.

6. On the day of delivery, CERES CM will take the tar package and push to the DAAC delivery as done in the past.

7. CERES CM will untar the delivery files area and verify the contents of the tar files. This step is done to make sure the tar files delivered to samantha contain the expected files listed by the Subsystem.

8. CERES CM will notify the DAAC at cereststt@larc.nasa.gov that the files have been untarred and that the expected output files are available for review. This is to notify the DAAC that step 10 can occur.

9. CERES CM will begin SSI&T by testing at the command line in accordance with the test plan.

10. In parallel to testing being done by CERES CM, the DAAC will begin reviewing expected out results, processing requirements, and documentation. This step will familiarize the DAAC staff with the PGE and enable the DAAC to ask questions or express concerns with the PGE during the testing phase.

11. CERES CM will test until the PGE works.

11a. If problems occur, Subsystem will get with CERES CM to resolve the problem.

11b. CERES CM will give DAAC status of problems, successes and changes via e-mail to cereststt@larc.nasa.gov.

12. When step 11 is accomplished for a PGE, the DAAC SSI&T personnel will perform CODINE testing using method of resolving problems described in 11a. The DAAC staff should notify the CERES CM team of any problems, successes, changes via e-mail to cerescm@larc.nasa.gov.

13. DAAC personnel will perform operational testing. This is the time that scripts and procedures are developed and tested.

14. Before promotion to production occurs, outstanding issues need to be identified and approved by all before promotion occurs.

15. Promote to Production. Track all files and identify files that need to be moved to production (specific files) as well as files needed to be placed under CM at the DAAC and the SCF. Note: This will result in tar files for CM and tar files to move to production. This information needs to be forwarded to all parties involved: DAAC, CERES CM, Subsystem. These files will be placed under CM on both sides. Revised CERES documents will be forwarded to all groups when available.

16. The production package will be promoted (untarred in the production area) by DAAC CM personnel.